**TABLE 1**
**Pandora Vent Hole Surety Estimate**

| **Vent Holes** | Number of Vent holes | Quantity | Unit | Unit Cost | Estimated Cost |
|---|---|---|---|---|---|
| Excavate around vent hole (8 bcy/vent) (a) | 2 | 0.5 | day | $1,326.80 | $663 |
| Cut, weld, and pour concrete | | | | | |
| - Welder | 2 | 0.75 | day | $789.45 | $1,184 |
| - Laborer | 2 | 1.75 | day | $341.20 | $1,194 |
| - Steel Plate (6' x 6') (b) | **1** | **1** | **Ea.** | **100.00** | **$~~0~~100** |
| - Steel I-Beam (22') | 2 | 22.0 | lf | $9.40 | $414 |
| - Rebar (c) | 2 | 132.0 | lf | $0.03 | $8 |
| - Concrete (6' x 6' x 6") (d) | 2 | 30.0 | bag | $9.10 | $546 |
| Backfill over cover (36 sf x 6' D + 28 sf x 4' D) | 2 | 12.2 | cy | $0.99 | $24 |
| Vent hole Diffuser Demolition (e) | 2 | 120.0 | CF | $0.28 | $67 |
| Vent Hole and Adit Pads (grading & ripping) | 2 | 0.25 | AC | $978.00 | $489 |
| Vent Hole and Adit Roads (grading & ripping) | 1 | 0.54 | AC | $978.00 | $528 |
| Revegetating Disturbed Vent Hole Areas (f) | 2 | 0.25 | AC | $~~497~~259.00 | $~~249~~130 |
| Revegetating Disturbed Roads (f) | 1 | 0.54 | AC | $~~497~~259.00 | $~~268~~140 |
| **Cleanup and Removal Costs (g)** | **1** | **0.50** | **day** | **$680.00** | **$340** |
| | | | | **Subtotal** | **$~~5,635~~5,828** |

| | |
|---|---|
| **Contingency (10%)** | **$583** |
| **Subtotal** | **$6,411** |
| **Management (10%)** | **$641** |
| **Subtotal** | **$7,052** |
| **Escalation (3.2% per year for 3 years)** | **$7,751** |

**Total Cost Estimate for Pandora Vent Holes:** **$~~5,635~~5,828**

**Notes:**

(a) Assume that a hydraulic excavator can excavate around a vent hole in 45 minutes and tram to next vent hole (ave. 1/3-mile) in 15 minutes. Allow 1 hour for initial tramming from main site to first vent hole.

(b) Steel plate ~~will be salvaged.~~ **Cost was estimated based on industry knowledge.**

(c) Rebar calculated based on 6-inch spacing.

(d) Concrete calculated based on 0.6 cf/bag.

(e) At each vent hole, a 4-foot high diffuser and approximately 4 feet of casing will be removed and disposed. The 8-foot height was multiplied by the number of vent holes (2) to calculate a total height of 16 feet. The diffusers and casing are typically 5 to 6 feet in diameter.

(f) Seed mix assumed is ~~salt desert shrub~~ **a BLM approved** seed mix ($~~297~~59 per acre) with a $200 application unit cost.

**(g) Clean up and removal costs are estimated to be a half day at $85.00 per hour.**

This is another company's estimate for closing two vent holes. The information may be useful